



PATENT  
P56926

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

June-Do Kim

Serial No.: 10/774,628

Examiner: *to be assigned*

Filed: 10 February 2004

Art Unit: 2681

For: APPARATUS AND METHOD FOR GENERATING A CALLING TONE OF  
WIRE/WIRELESS TELEPHONE

**INFORMATION DISCLOSURE STATEMENT**

**Mail Stop Patent Application**

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, and 1.97 and 1.98 applicant cites, lists and discusses and encloses copies of the following art references cited in a Search and Examination Report issued on 14 June 2004 for the corresponding British Application No. GB 04003135.3.

**U.S. PATENT REFERENCES:**

1. U.S. Publication No. US 2001/0029187 to Cannon et al., entitled ADAPTIVE PAGING SIGNAL IN CORDLESS TELEPHONE, published on 11 October 2001;
2. U.S. Patent No. 5,170,172 to Weinstein, entitled ELECTRONIC ASSEMBLY FOR RANGE FINDING USING RADIO WAVE SIGNAL STRENGTH, published on 8 December 1992; and

3. U.S. Patent No. 6,484,027 to Mauney et al., entitled ENHANCED WIRELESS HANDSET, INCLUDING DIRECT HANDSET-TO-HANDSET COMMUNICATION MODE, published on 19 November.

**FOREIGN PATENT REFERENCES:**

1. European Patent No. 0 865 188 A2 to Kraft et al., entitled PORTABLE TELEPHONE WITH AUTOMATIC SELECTION OF THE OPERATIONAL MODE, published on 16 September 1998.

**DISCUSSION**

Cannon et al.'2001/0029187 as cited in the British Search report, relates to one embodiment, a cordless telephone according to the invention includes a base unit, including a paging mechanism, and a handset, including an alerting mechanism responsive to the paging mechanism. At least one of the base unit and the handset includes a page adjusting mechanism to affect an alerting signal output from the alerting mechanism based on a condition. Thus, the paging signal is adaptive to increase the opportunity for a user to determine the location of a misplaced handset. In another embodiment, a cordless telephone is equipped so that the base unit can provide an indication related to a distance between the base unit and the handset. In yet another embodiment, a cordless telephone is equipped so that the paging mechanism is adjusted based on user control. In a further embodiment according to the invention, a method is provided for affecting an alerting signal output by an alerting mechanism of a cordless telephone handset. The method includes the steps of sensing a condition, and affecting the alerting signal based on the sensed condition.

Weinstein'172 describes a radio range finding system including a radio frequency transmitter adapted to be located adjacent an area in which distance is to be monitored, a transmitting antenna, and a receiver unit. The receiver unit has a multiplicity of radio signal receivers each having a highly

directional receiving antenna with the receiving antennae of the multiplicity of receivers having their axes of maximum sensitivity oriented in different directions, and an analyzer for determining a composite of the field strength. The receiver may detect when the composite field strength at the receiving antennae fails below predetermined values and generate a signal at that time. The vector sum of the field strengths of the radio signals are derived from the square root of the sum of the squares of the field strengths of the several signals. The field strength signals are multiplexed and converted to a DC voltage by an RMS to DC converter. The transmit antenna is a loop comprising one or more turns shielded by two partial spaced apart shields, each connected only to the shield of the antenna cable at its junction to the loop.

Mauney et al.'027 describes a wireless handset provided with enhanced features and capabilities. The wireless handset may be embodied as a full-featured handset that is capable of operating either within a wireless network (such as a cellular or PCS network) or in a direct handset-to-handset communication mode that is independent of the wireless network. Alternatively, the wireless handset may be embodied as a special purpose handset, that is capable of simply operating in a direct handset-to-handset communication mode. The wireless handset may additionally include features for supporting and enhancing direct communication between handsets. Such features may include a find feature that permits a user to determine which objects, including other wireless handset users, are located within a predetermined operating range of the wireless handset. A memorize feature may also be provided to permit handsets and other objects exchange information by wireless transmission.

Kraft et al.'188 describes a portable phone having a controller with an associated storage for the storage of the setting for a plurality of functions which may be set individually by the user. The controller arranges the stored settings as groups which each define a phone mode selectable by the user. Each mode is associated with at least one control parameter. The controller is associated with at least one sensor for sensing said at least one control parameter, and it automatically selects the phone mode in response to the sensed control parameter.

Pursuant to 37 CFR §1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three (3) months prior to the filing of the statement.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

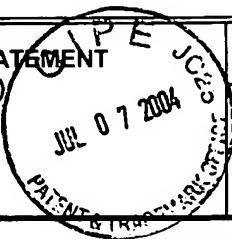
No fee is incurred by filing this Information Disclosure Statement.

Respectfully submitted,

  
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INFORMATION DISCLOSURE STATEMENT  
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APPLICANT June-Do Kim

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GROUP 2681

**U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	2001/029187	10/00	Cannon et al.			
	5,170,172	12/92	Weinstein			
	6,484,027	11/02	Mauney et al.			

**FOREIGN PATENT DOCUMENTS**

TRANSLATION

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	EP 0 865 188	9/98	GB				Abstract

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

EXAMINER:	DATE CONSIDERED:						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.